

ABSTRACT OF THE DISCLOSURE

A foamable igniter composition effective to form a foamed igniter substance for use in an inflator device of an inflatable restraint system and a method for preparing a foamed igniter substance formed from the foamable igniter composition are provided. The foamable igniter composition includes a fluoropolymer binder oxidant, a plasticizer effective to render the fluoropolymer binder oxidant flexible, a metal fuel that is reactive with the fluoropolymer binder oxidant, a blowing agent effective to render the foamable igniter composition porous, and a crosslinking agent effective to structurally stabilize the foamed igniter substance. The foamed igniter substance is formed by heating the foamable igniter composition to a predetermined temperature. The consistency of the foamable igniter composition may be adjusted to allow the composition to be sprayed, extruded or molded as desired.